FIG. 1
Orthogonal View of Present Invention

70

D_o D_i D_i D_o

r

Therapeutic   Bed

N_o N_i N_c N_i N_o

40

60
50

Where:
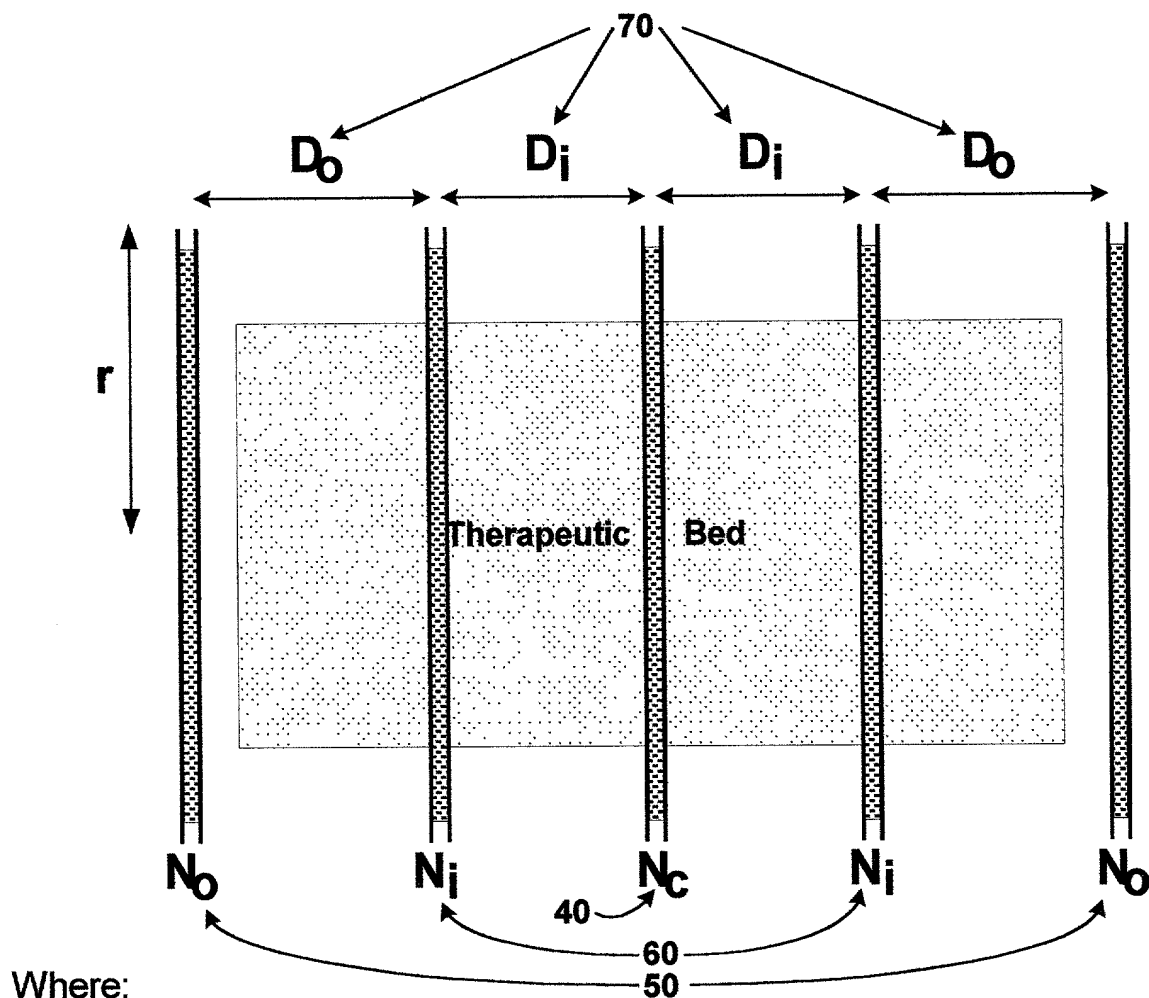
D_o = Distance between each end coil and its adjacent coil

D_i = Distance between the center coil and each of its adjacent coils

r   = radius of each coil

N_o = Number of turns of wire on each end coil

N_i = Number of turns of wire on each coil adjacent to an end coil

N_c = Number of turns of wire on the center coil

NOTE: All distances listed above are center to center distances

FIG. 2
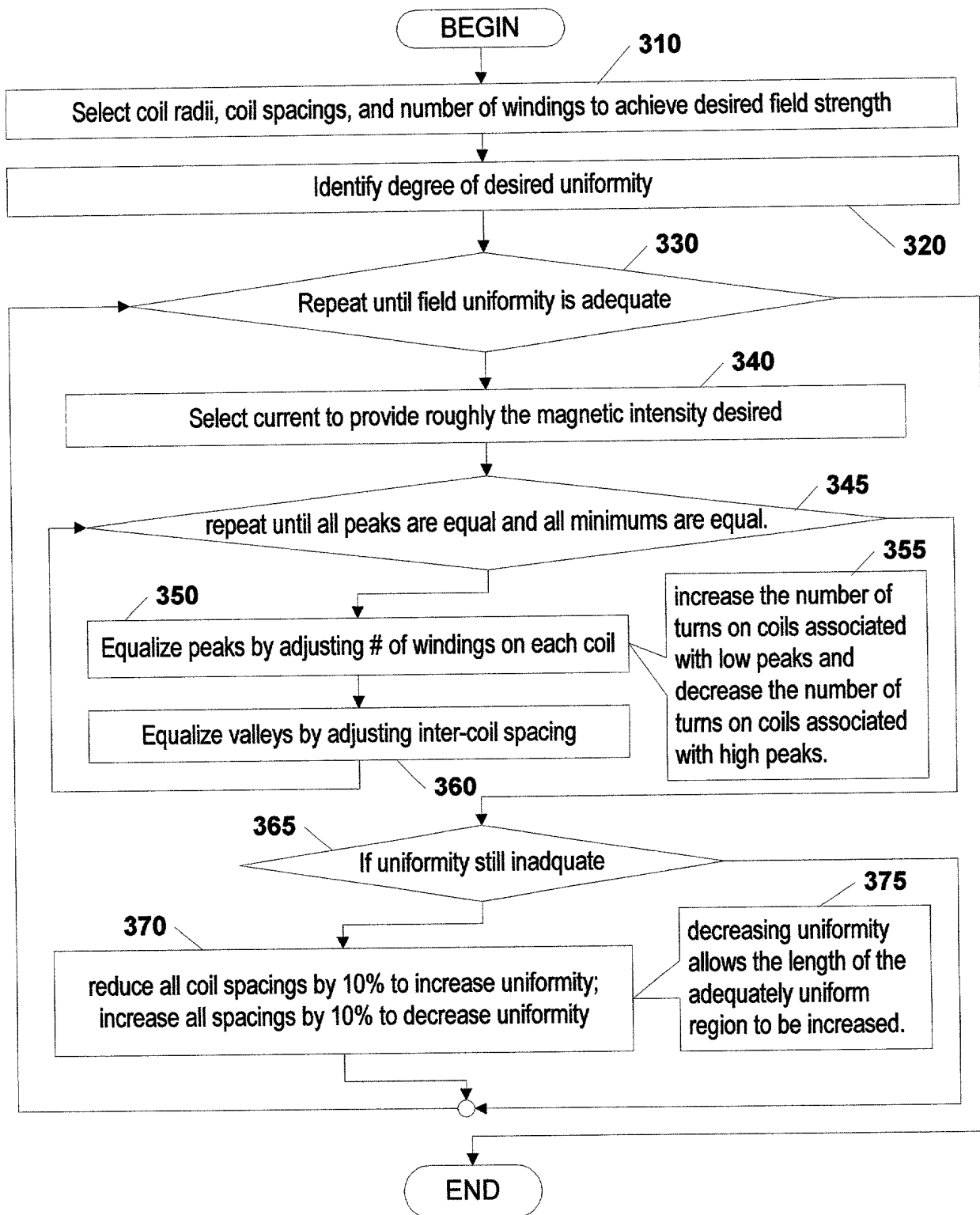Overhead View of Coil Spacings (for 5 coil system)

FIG. 3
Process for Developing an Acceptably
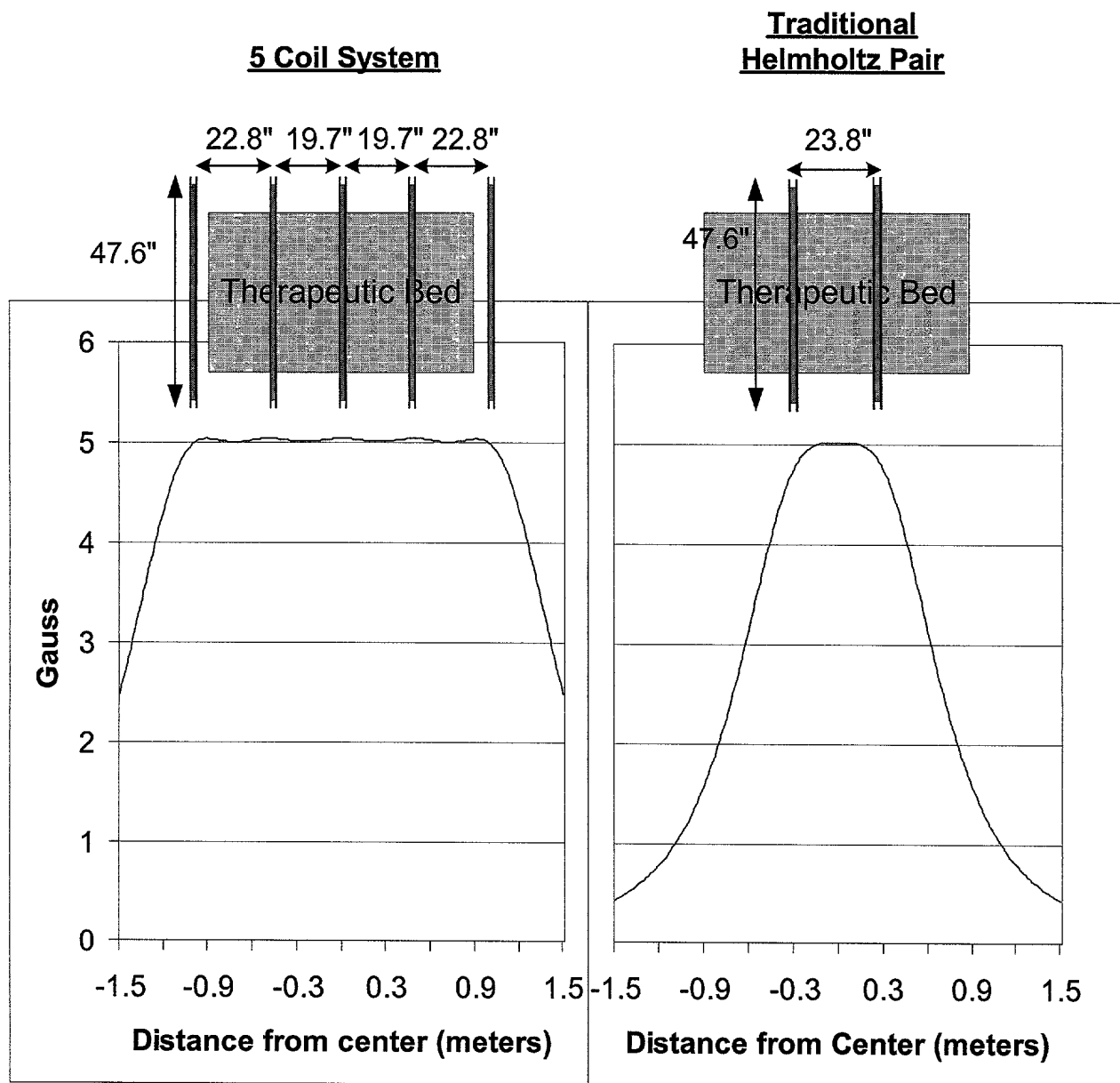Uniform Field in a Polycoil System

FIG. 4
Overhead View of Coil Spacings
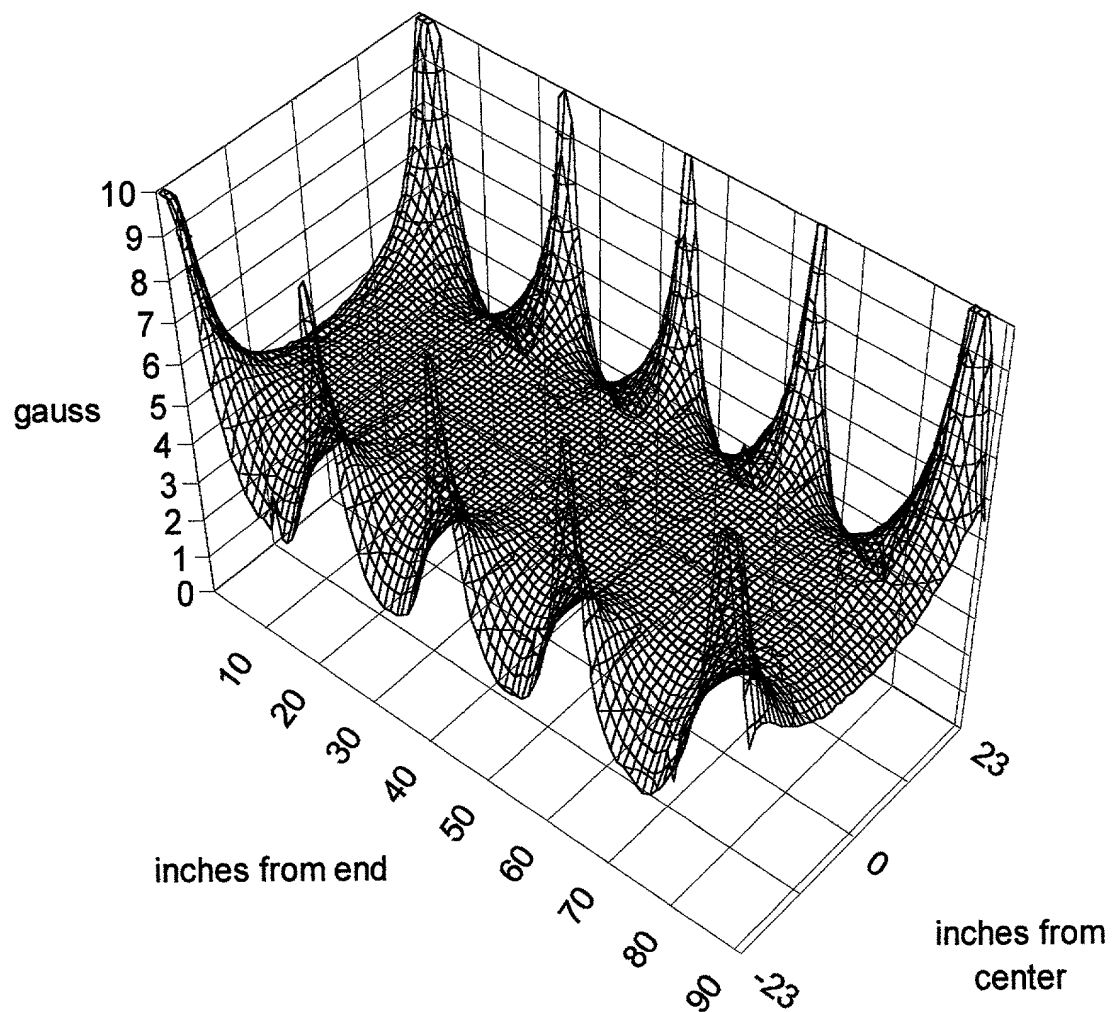(for 5 coil system and for Traditional Helmholtz Pair)

FIG. 5
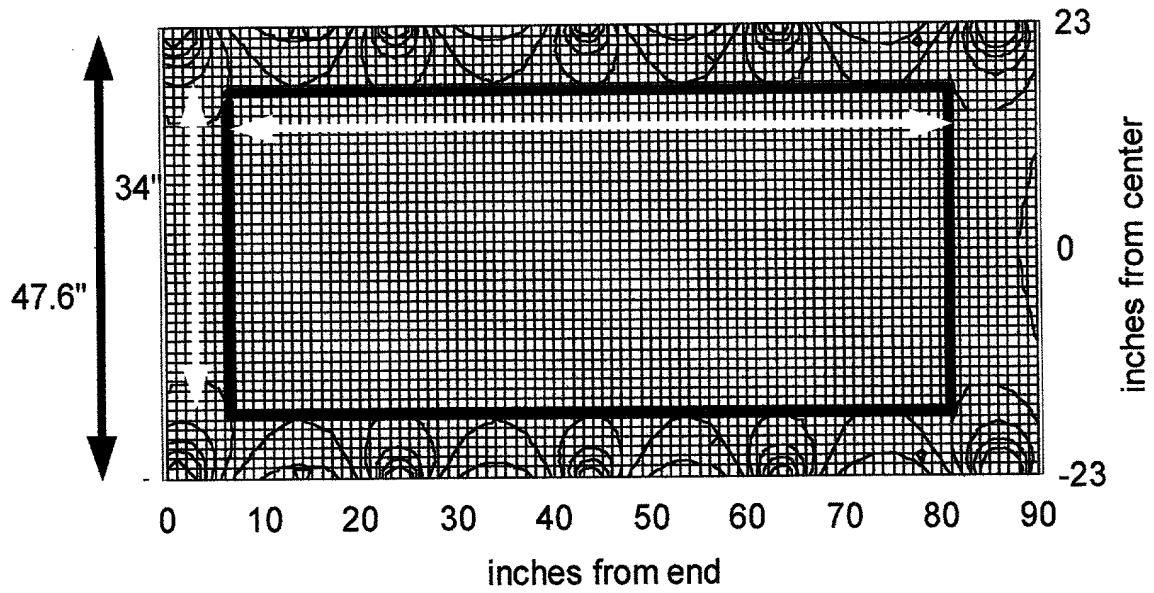**Magnetic Field Strength of Longitudinal Component**

Each curved line =
change of 1 Gauss

34"/47.6" = 71% of diameter of patient
surface has a substantially uniform (i.e.,
4.5-5.5 Gauss) field strength

FIG. 6
3-D Surface Map of Magnetic Field Strength